

SILVER BUFFALOBERRY

Shepherdia argentea (Pursh)
Nutt.

Plant Symbol = SHAR

Contributed by: USDA NRCS Plant Materials
Program



USDA NRCS National Plant Materials Center
Beltsville, MD

Alternate Names

Elaeagnus utilis A. Nels., *Lepargyrea argentea*
(Pursh) Greene

Uses

Windbreaks: Plant silver buffaloberry in the outer rows of multi-row plantings when supplemental moisture is available. This species has potential for single-row plantings where a low, dense barrier is desired.

Wildlife: The thorny thickets formed by the shrub create ideal cover for numerous bird and animal species. It is preferred nesting site for many songbirds. Some birds eat the fruit although it is not relished by a wide variety of species.

Recreation and Beautification: The thorns and suckering habit of this species must be taken into consideration when planning its use in recreation areas. The fruit is highly prized for making jelly.

Status

Please consult the PLANTS Web site and your State Department of Natural Resources for this plant's current status (e.g. threatened or endangered species, state noxious status, and wetland indicator values).

Description

Shepherdia argentea (Pursh) Nutt., silver buffaloberry, is a deciduous, thorny shrub or small tree of 6 to 20 feet in height native to North America. It occurs as scattered to frequent plants along streams, in bottomlands, and on moist hillsides throughout western Wyoming and Colorado at elevations to 7,500 feet. The shrub is winter hardy and alkaline tolerant, but has only limited drought and shade tolerance. Under favorable conditions, it readily forms thorny thickets.

Fruits are reddish, globe-shaped "berries" (drupes) about 1/8 to 1/4 inch across; flowers are brownish-yellow, small, with male and female flowers borne on separate plants in clusters of 1 to 3 at the leaf axils; leaves are opposite, silvery-scurfy, oblong and entire, up to 2 inches long; stems are thorny, silvery-scurfy when young, brownish in age; roots are shallow and much branched, readily sprouting.

Adaptation and Distribution

This species is adapted to elevations below 7,500 feet and 15 to 20 inches of precipitation equivalent; it requires supplemental moisture in low precipitation zones.

For a current distribution map, please consult the Plant Profile page for this species on the PLANTS Website.

Establishment

Prepare a weed free site for planting.

Management

Planted areas should be kept free of weeds during the first 2 years of establishment. Care should be taken to prevent suckers from taking root in unwanted areas around homes and agricultural systems. Over-sprouting can be controlled mechanically or through the use of approved herbicides.

Pests and Potential Problems

This species may be subject to a heart rot disease which can cause serious problems. There are no known serious insect problems.

Cultivars, Improved, and Selected Materials (and area of origin)

Seedlings of silver buffaloberry are available from most hardwood commercial nurseries. 'Sakakawea' (Canada) was developed by the Bismarck, ND Plant Materials Center and released in 1984.

Prepared By & Species Coordinator:

USDA NRCS Plant Materials Program

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For more information about this and other plants, please contact your local NRCS field office or Conservation District, and visit the PLANTS Web site<<http://plants.usda.gov>> or the Plant Materials Program Web site <<http://Plant-Materials.nrcs.usda.gov>>

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